

ABSTRACT

A compound useful as a cocatalyst or cocatalyst component, especially for use as an addition polymerization catalyst compound, corresponding to the formula: $(A^{*+a})_b(Z^*J^*_j)^{-c}_d$, wherein:

5 A^* is a proton or a cation of from 1 to 80 atoms, preferably 1 to 60 atoms, not counting hydrogen atoms, said A^* having a charge $+a$;

Z^* is an anion group of from 1 to 50 atoms, preferably 1 to 30 atoms, not counting hydrogen atoms, further containing two or more Lewis base sites, said Z^* being the conjugate base of an inorganic Bronsted acid or a carbonyl- or non-cyclic, imino-group containing organic
10 Bronsted acid;

J^* independently each occurrence is a Lewis acid of from 1 to 80 atoms, preferably 1 to 60 atoms, not counting hydrogen atoms, coordinated to at least one Lewis base site of Z^* , and optionally two or more such J^* groups may be joined together in a moiety having multiple Lewis acidic functionality;

15 j is a number from 1 to 12; and

a , b , c , and d are integers from 1 to 3, with the proviso that $a \times b$ is equal to $c \times d$.